

Sugar Processing

VL Slide Valves

4



Description ▼

VL-type Slide Valves consist of a two-piece stainless steel frame, which is partly coated with WAM®'s unique SINT® engineering polymer composite, and a sliding blade manufactured either from the same material or from carbon or stainless steel. The use of SINT®AL FDA-approved engineering polymer composites considerably increases resistance to abrasion compared to traditional valves.

Function ▼

VL Slides Valves are used where flow of a bulk solid caused by gravity or transport has to be intercepted. Valves may be fitted to hopper or silo outlets, to the inlets and outlets of mechanical conveyors and to the inlet of telescopic loading spouts.



Application ▼

The special geometry of the VL Slide Valves and the different options of blade design enable their application in all departments of a Sugar Processing Plant where interception of gravity-fed or pneumatically conveyed dry materials is required. Typical applications are storage, conveying and processing lines and also product distribution to sieves.

They are fitted beneath hoppers, bins, silos, screw or other type conveyors.

Due to their special design and to the engineering materials used, they represent a particularly cost-effective yet most efficient solution.

Benefits ▼

- ✓ No contamination due to metal steel blade and valve frame coated with engineering polymer;
- ✓ Dust and granule-proof thanks to components geometry;
- ✓ Used with different materials in the same configuration;
- ✓ Safety for OEM and user thanks to ATEX certification zone 22;
- ✓ Easy integration into the process thanks to its light weight and easy handling;
- ✓ Modular design and easy maintenance thanks to small numbers of components;
- ✓ High flexibility and time-saving maintenance thanks to interchangeable components;
- ✓ Better performance thanks to friction-free contact design (actuator torque is not wasted in order to win friction resistance).

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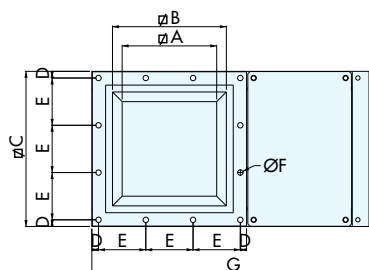
VL Slide Valves



Technical Features / Performance ▼

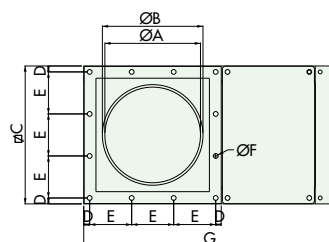
- ▶ Square (VLQ) or round (VLC) inlet from 150 to 400mm (6 to 16 in)
- ▶ Rectangular inlet for size 300mm (12 in)
- ▶ Dust and granular-proof and max. temperature of 80°C (176 F°)
- ▶ Blade and frame in stainless steel (or coated in SINT® AL FDA-approved engineering polymer)
- ▶ Absence of residue points
- ▶ Friction-free contact design
- ▶ Small number of components
- ▶ Easy part replacement
- ▶ Safe sealing with no additional measures due to the all-around dustproof seal lips incorporated in the polymer coating

Overall Dimensions ▼



VLQ

| Type | A | B | C | D | E | N° E | Ø F | Bolts | G | H | kg |
|-----------|-----|-----|-----|------|-------|------|------|-------|-------|-----|----|
| VLQ0150.. | 120 | 175 | 261 | 15.5 | 115.0 | 2 | 12.5 | M10 | 455 | 113 | 14 |
| VLQ0200.. | 170 | 225 | 311 | 15.5 | 93.3 | 3 | 12.5 | M10 | 555 | 113 | 18 |
| VLQ0250.. | 220 | 275 | 361 | 15.5 | 110.0 | 3 | 12.5 | M10 | 650 | 113 | 22 |
| VLQ0300.. | 270 | 325 | 431 | 23.0 | 128.3 | 3 | 12.5 | M10 | 765 | 113 | 30 |
| VLQ0350.. | 320 | 375 | 481 | 18.0 | 89.0 | 5 | 12.5 | M10 | 900 | 125 | 40 |
| VLQ0400.. | 370 | 425 | 531 | 15.5 | 100.0 | 5 | 12.5 | M10 | 1,000 | 125 | 46 |



VLC

| Type | A | Ø B | Ø C | D | E | N° E | Ø F | Screw | G | H | kg |
|-----------|-----|-----|-----|------|-------|------|------|-------|-------|-----|----|
| VLC0150.. | 150 | 165 | 261 | 15.5 | 115.0 | 2 | 12.5 | M10 | 455 | 113 | 14 |
| VLC0200.. | 200 | 215 | 311 | 15.5 | 93.3 | 3 | 12.5 | M10 | 555 | 113 | 18 |
| VLC0250.. | 250 | 265 | 361 | 15.5 | 110.0 | 3 | 12.5 | M10 | 650 | 113 | 22 |
| VLC0300.. | 300 | 315 | 431 | 23.0 | 128.3 | 3 | 12.5 | M10 | 765 | 113 | 30 |
| VLC0350.. | 350 | 365 | 481 | 18.0 | 89.0 | 5 | 12.5 | M10 | 900 | 125 | 40 |
| VLC0400.. | 400 | 415 | 531 | 15.5 | 100.0 | 5 | 12.5 | M10 | 1,000 | 125 | 46 |

